

Amendments to the Specification

Please add the following paragraphs following paragraph [0012]

[0012.1] BRIEF DESCRIPTION OF THE DRAWINGS

[0012.2] To describe the foregoing and other exemplary purposes, aspects, and advantages, we use the following detailed description of an exemplary embodiment of the invention with reference to the drawing, in which:

[0012.3] FIG. 1 is a flow chart of a method according to an embodiment of the present invention.

Please replace paragraph [0022] with the following amended paragraph:

[0022] According to a preferred embodiment of the present invention, a computer system and method determines object characterizations that can be used at runtime to recognize groups of objects efficiently, as the objects are created, in repeated runs of an object-oriented programs. Referring now to the flow chart 100 of FIG.1, the ~~The~~ preferred approach adopted here starts at step 110, from at least a partial run of program comprising groups of objects, to determine their characterization information, or object characteristics, such as `class name` and `object creator`, which are known to be easy to determine for any given object during object creation at runtime. In step 120, a [[A]] desirable property of each object is then determined, as by the cost minimization methods discussed hereinabove. ~~Next,~~ Next in step 130, a correlation relationship is determined between the desirable property and the object characteristics. The preferred method may, for example, in step 140, express this correlation as a combination of object characteristics that can be used to distinguish objects that are correlated with a desirable property, from all of the other groups, and from the rest of the object population. A preferred

method of expressing this correlation is by generating a correlation table. Then, in step 150, subsequent runs will base selection on this table.

Please replace paragraphs [0024] – [0027] with the following amended paragraphs:

[0024] According to step ~~(a)~~ 110 of the method of the present invention, the program (e.g. SpecJBB2000) is run and monitored by using, for example, Jinsight to determine the class (Large or Small) and creator (Terminal 1 or Terminal 2) for each order/object.

[0025] According to step ~~(b)~~ 120 of the present method, a desirable property was next determined for each of the orders/objects. For example, such a desirable property (choice of Warehouse 1 or Warehouse 2) could be based on minimum cost of filling the orders/objects during the run, as by filling each order at only one warehouse, without having to fill the balance of an order at the other warehouse.

[0026] According to step ~~(c)~~ 130 a correlation is determined between the desired property (choice of warehouses) and the characterization information (i.e. Class--Large or Small and creator--Terminal 1 or 2). This correlation can be expressed in various ways, one of which could be a table, as in step 140, that relates class and creator to the most desirable (lowest cost) choice of property (warehouse) during the initial run. Such a table could be:

1 CLASS.backslash.CREATOR TERMINAL 1 TERMINAL 2 LARGE WAREHOUSE 1
WAREHOUSE 2 SMALL WAREHOUSE 2 WAREHOUSE 1

[0027] According to step ~~(d)~~, 150 properties of subsequent orders/objects would be based on the above correlation table using class and creator of the subsequent order/object. Thus, a subsequent Small order from Terminal 2 would be first implemented (filled) at Warehouse 1, while a Large order from Terminal 2 would be filled at Warehouse 2.